

even though half of the cutting be against the grain.

### Safety Posters

American Optical Co., Southbridge, Mass., announces it will be glad to place any industrial firm on its mailing list for a free safety poster service inaugurated several years ago. At certain intervals during the year dramatic, colorful safety posters, driving home to workers the value of safety precautions, are made up and mailed to concerns desiring the service.

The optical company emphasizes that in these days of defense programs, overtime wages and production schedules the value of a consistent, well-planned safety program cannot be overestimated. For example, according to recent statistics, the first two months of 1941 in comparison with the same period of time in 1940 saw a manufacturing employment increase of 9 per cent while occupational accidents jumped 7 per cent. Such an accident record cannot fail to reduce production and increase production costs.

To combat this trend, American Optical Company suggests compulsory wearing of safety equipment on hazardous jobs and the distribution of educational material such as safety posters to remind workers that the exchange of their own precious eyes for glass eyes is the height of a poor bargain.

### Closet Lining and Closet Fittings

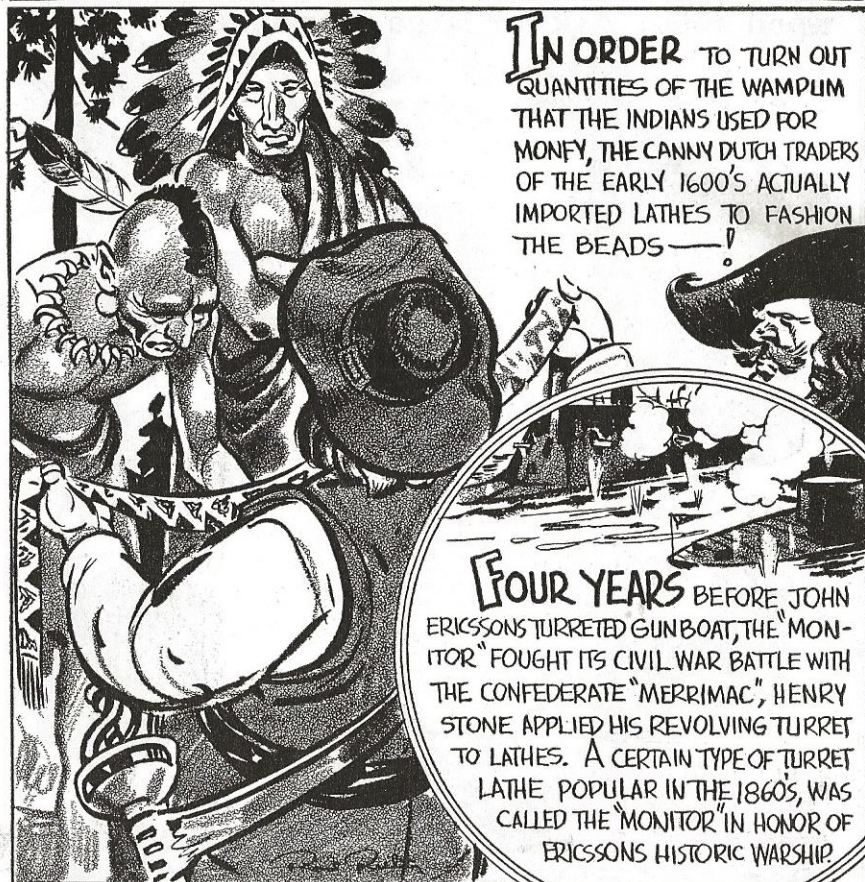
By John E. Hyler

The vogue for applying closet linings of a material repellent to insects is just

as reasonable as the making of chests from such a material. It is usual to think of cedar in this connection, and many closets are lined with red cedar to advantage. Somewhere I read a report of some of the old pioneers making beds from sassafras wood, because it was repellent to insects. If that is true, then it might be a good proposition to make closet lining from this wood, as well, in those few instances where sassafras is obtainable. Naturally, red cedar will always be the natural wood to use for such purposes. I have wondered at times about the possibilities of wood impregnation for repelling insects. To date, no one has tried impregnation for this particular purpose, so far as I know.

It is possible for practically any sizable millwork plant to handle cedar closet lining, but it seldom pays to machine it at the individual mill, for it can be purchased from mills that specialize in it. In some localities, Aromatic or Port Orford cedar lining for closets has been furnished from time to time. Whatever the type of cedar used, the material cannot contain serious defects, but only those of a minor nature. Like hardwood flooring, various lengths of material are allowable. Some rules have allowed pieces of cedar closet lining as short as 8" to be included. Of course, this material is endmatched as well as sidematched, so it can be seen that any firm specializing in hardwood flooring and other endmatched material may well consider the production of closet lining as well, if a sizable market can be developed for it. Modern end-matching machines do a splendid,

# Mechanics Through the Ages

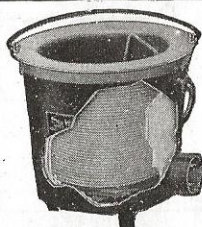


**IN ORDER** TO TURN OUT QUANTITIES OF THE WAMPUM THAT THE INDIANS USED FOR MONFY, THE CANNY DUTCH TRADERS OF THE EARLY 1600'S ACTUALLY IMPORTED LATHES TO FASHION THE BEADS —!

**FOUR YEARS** BEFORE JOHN ERICSSON'S TURRETED GUNBOAT, THE 'MONITOR' FOUGHT ITS CIVIL WAR BATTLE WITH THE CONFEDERATE 'MERRIMAC', HENRY STONE APPLIED HIS REVOLVING TURRET TO LATHES. A CERTAIN TYPE OF TURRET LATHE POPULAR IN THE 1860'S, WAS CALLED THE 'MONITOR' IN HONOR OF ERICSSON'S HISTORIC WARSHIP.

### WHAT IT DOES

Heats glue quickly and uniformly to the correct 145° to develop glue's best properties — then holds it there for use. — Glue can't burn or spoil . . . Produces improved products with stronger joints, no discolorations, fewer rejects; eliminates water jacket and manual attention — Cuts costs, speeds production.



### HOW IT DOES IT

A "Metal brain", the thermostat, automatically controls the flow of electric "dry-heat" through a series of multiple heating elements around the sides and bottom of the pot, baked in place and enclosed in asbestos insulation. A quality long-life product that is safe, fool-proof.

**Sta-Warm**

**STA-WARM ELEC. CO.**  
105 N. Chestnut St.  
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**GLUE POTS**

**9600 HORSE SHOES** CONTRIBUTED BY 2400 HORSES WERE MELTED DOWN TO MAKE THE 25-FOOT CONNECTING RODS USED ON THE MAMMOTH "CENTENNIAL ENGINE" BUILT BY CORLISS FOR THE PHILADELPHIA CENTENNIAL EXPOSITION OF 1876.

